

969-976 and 983-990 bp), for SP1 (836-845, 915-924, and 937-946 bp, with numbering according to SEQ ID NO: 38), amongst others.

Applicants respectfully submit that the amendments to the specification add no new matter.

IN THE CLAIMS:

Please cancel claims 1 - 56 without prejudice to Applicants' prosecuting these claims or claims of similar scope in one or more continuation or divisional applications.

Please add the following new claims 57 - 75:

WHAT IS CLAIMED IS:

57. (newly added) An isolated nucleic acid comprising a nucleotide sequence selected from the group consisting of:

(i) the nucleotide sequence of SEQ ID NO:1; (ii) the nucleotide sequence of SEQ ID NO:2; (iii) a degenerate variant of the nucleotide sequence of SEQ ID NO:2; (iv) a nucleotide sequence that encodes a polypeptide having the sequence of SEQ ID NO:3; and (v) a nucleotide sequence that is the complete complement of the nucleotide sequence of any one of (i) - (iv).

58. (newly added) An isolated nucleic acid comprising a nucleotide sequence selected from the group consisting of:

(i) a nucleotide sequence at least 99% identical in sequence to SEQ ID NO:2; (ii) a nucleotide sequence that encodes a polypeptide at least 99% identical in sequence to SEQ ID NO:3; and (iii) a nucleotide sequence that is the complete complement of the nucleotide sequence of any one of (i) and (ii).

59. (newly added) An isolated nucleic acid comprising a nucleotide sequence selected from the group consisting of:

(i) a nucleotide sequence at least 95% identical in sequence to SEQ ID NO:2; (ii) a nucleotide sequence that encodes a polypeptide at least 95% identical in sequence to SEQ ID NO:3; and (iii) a nucleotide sequence that is the complete complement of the nucleotide sequence of any one of (i) and (ii).

60. (newly added) The isolated nucleic acid of any one of claims 57 - 59 wherein said nucleic acid encodes a polypeptide which interacts with either or both of Rho or PDZ domain-containing proteins.

61. (newly added) The isolated nucleic acid of any one of claims 57 - 59, wherein said nucleic acid is expressed in kidney, colon, adrenal, adult liver, bone marrow, brain, fetal liver, heart, hela, lung, placenta, prostate and skeletal muscle.

62. (newly added) The isolated nucleic acid of any one of claims 57 - 59, wherein said nucleic acid is operably linked to one or more expression control elements.

63. (newly added) A replicable vector comprising the isolated nucleic acid of any one of claims 57 - 59.

64. (newly added) A replicable vector comprising the isolated nucleic acid of claim 62.

65. (newly added) The isolated nucleic acid of any of claims 57 - 59, attached to a substrate.

66. (newly added) A host cell transformed to contain the nucleic acid of any one of claims 57 - 59, or the progeny thereof.

67. (newly added) A host cell transformed to contain the nucleic acid of claim 62, or the progeny thereof.

68. (newly added) A host cell transformed to contain the replicable vector of claim 63, or the progeny thereof.

69. (newly added) A host cell transformed to contain the replicable vector of claim 64, or the progeny thereof.

70. (newly added) A method for producing GTP-Rho Binding Protein 2, the method comprising:

culturing the host cell of claim 66 under conditions in which a protein encoded by said nucleic acid is expressed; and then

isolating said protein from culture medium.

71. (newly added) A method for producing GTP-Rho Binding Protein 2, the method comprising:

culturing the host cell of claim 67 under conditions in which a protein encoded by said nucleic acid is expressed; and then

isolating said protein from culture medium.

72. (newly added) A method for producing GTP-Rho Binding Protein 2, the method comprising:

culturing the host cell of claim 68 under conditions in which a protein encoded by said nucleic acid is expressed; and then

isolating said protein from culture medium.

73. (newly added) A method for producing GTP-Rho Binding Protein 2, the method comprising:

culturing the host cell of claim 69 under conditions in which a protein encoded by said nucleic acid is expressed; and then

isolating said protein from culture medium.

74. (newly added) A microarray wherein at least one probe of said array is a nucleic acid according to any one of claims 57 - 59.

75. (newly added) A method for detecting a target nucleic acid in a sample, said target being a nucleic acid of any one of claims 57 - 59, the method comprising:

a) hybridizing the sample with a probe comprising at least 30 contiguous nucleotides of a sequence complementary to said target nucleic acid in said sample under hybridization